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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/730,755	12/07/2000	Shuichi Kagawa	1190-0479P	9412

7590 10/21/2003

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EXAMINER

WU, JINGGE

ART UNIT	PAPER NUMBER
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2623

DATE MAILED: 10/21/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/730,755

Applicant(s)

KAGAWA ET AL.

Examiner

Jingge Wu

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1, 2 and 9 is/are rejected.
- 7) ☐ Claim(s) 3-8 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2, 5, 6.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claim 1 is objected to because of the following informalities: in line 4, there are two "for"s. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by US 5917959 to Kagawa et al.

As to claim 1, Kagawa discloses an image display device for receiving an input image comprising three or more color data, and displaying the input image on an image display unit (fig. 58, col. 50 lines 1-3), comprising:

a color converter for converting a first color RGB image data into a second color RGB image data on the basis of conversion characteristic data (fig. 58-59, col. 49 line 4-col. 50 line 65);

a conversion characteristics storage for storing the conversion characteristics (fig. 22 and 58, col. 25 lines 47-54);

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conversion characteristics designation means (32 and 33) for designating the conversion characteristics to be used in the color converter, and outputting the designation data (fig. 58, col. 49 line 4-col. 50 line 65); and

conversion characteristics setting means (110) for calculating the conversion characteristics data on the basis of the designation data, and setting the conversion characteristics data in the storage (fig 22 and 58, col. 25, lines 47-54, col. 49 line 4-col. 50 line 65),

wherein the color converter comprises:

a calculation term generator (33 and 34) for receiving the first image data, and outputting calculation terms which are effective for the specific hues (fig. 58, col. 49 line 4-col. 50 line 65, col. 4 line 61-col. 5 line 4);

and

a matrix calculator (111) performing matrix calculation using the calculation terms for the specific hues (fig. 58, col. 4 line 61-col. 5 line 4).

As to claim 2, Kagawa further discloses the image characteristics designation comprising:

means for selecting a color (col. 4 line 61-col. 5 line 4, selecting is inherent);

means for designating the conversion characteristics for the selected color (col. 4 line 61-col. 5 line 4).

As to claim 9, Kagawa further discloses the calculating term generator

color extracting means (33) for extracting chromatic and achromatic components from the first image data (fig. 58); and

a polynomial calculator performing comparison operation on the chromatic components (fig. 58).

Allowable Subject Matter

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4. Claims 3-4, and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 5-8 and 11 depend from claims 4 and 10 respectively are, therefore, objected.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6424374 to Itakura, US 561928 to Yamashita et al., US 5930009 to Sato et al. and JP 404167667A to Konishi disclose methods for correcting the hues.

Contact Information

6. Any inquiry concerning this communication or earlier communications should be directed to Jingge Wu whose telephone number is (703) 308-9588. He can normally be reached Monday through Thursday from 8:00 am to 5:30 pm. The examiner can be also reached on second alternate Fridays.

Any inquiry of a general nature or relating to the status of this application should be directed to TC customer service whose telephone number is (703) 306-0377.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Amelia Au, can be reached at (703) 308-6604.

The Working Group Fax number is (703) 872-9314.

Jingge Wu

Primary Patent Examiner

